

IN THE CLAIMS:

On page 17, in line 1, cancel "Claims" and substitute:

--WE CLAIM AS OUR INVENTION:-- therefor.

Cancel claims 1-13.

5 1-13. (Cancelled)

Add the following new claims:

14. (New) An implantable cardiac stimulator comprising:

a pacing pulse generator adapted to deliver pacing pulses to at least one chamber of a heart;

10 a high energy pulse generator adapted to deliver at least one shock selected from the group consisting of cardioversion shocks and defibrillation shocks to at least one chamber of the heart;

sensing circuitry adapted to interact with the heart to sense intrinsic cardiac activity and cardiac activity resulting from capture following a delivered pacing pulse; and

15 a control unit connected to said pacing pulse generator, said high energy pulse generator and said sensing circuitry for operating said pacing pulse generator in a first mode including an autocapture mode, and for operating said pacing pulse generator in a second mode with predetermined settings for said pacing pulses, said control unit automatically switching said

20 pacing pulse generator from said first mode to said second mode following delivery of a shock by said high energy pulse generator.

25 15. (New) An implantable cardiac stimulator as claimed in claim 14 wherein said control unit switches said pacing pulse generator back to said first mode after a predetermined time interval.

16. (New) An implantable cardiac stimulator as claimed in claim 15 wherein said predetermined time interval is in a range between one minute and fifteen minutes.

5 17. (New) An implantable cardiac stimulator as claimed in claim 16 wherein said time interval is in a range between five minutes and ten minutes.

10 18. (New) An implantable cardiac stimulator as claimed in claim 14 wherein said control unit switches said pacing pulse generator back to said first mode following an extendable time interval, wherein said sensing circuitry measures signal characteristics of a sensed cardiac activity signal following said shock, and wherein said control unit extends said extendable time interval dependent on said characteristics.

15 19. (New) An implantable cardiac stimulator as claimed in claim 18 wherein said extendable time interval comprises a predetermined basic time interval, and wherein said sensing circuitry measures said signal characteristics prior to expiration of said basic time interval, and wherein said control unit extends said extendable time interval dependent on said characteristics, prior to said expiration of said basic time interval, by adding an extension time interval onto said basic time interval.

20 20. (New) An implantable cardiac stimulator as claimed in claim 19 wherein said sensing circuitry continues to measure said characteristics prior to expiration of said extension time interval, and wherein said control unit, prior to said expiration of said extension time interval, adds a further extension time interval onto said extension time interval dependent on said characteristics.

25 21. (New) An implantable cardiac stimulator as claimed in claim 19 wherein said extension time interval is in a range between five minutes and fifteen minutes.

22. (New) An implantable cardiac stimulator as claimed in claim 21 wherein said extension time interval is approximately ten minutes.

23. (New) An implantable cardiac stimulator as claimed in claim 19 wherein said basic time interval is in a range between one minute and fifteen minutes.

5 24. (New) An implantable cardiac stimulator as claimed in claim 23 wherein said basic time interval is in a range between five minutes and ten minutes.

25. (New) An implantable cardiac stimulator as claimed in claim 18 wherein said characteristics comprise an amplitude of said cardiac activity signal.

10 26. (New) An implantable cardiac stimulator as claimed in claim 14 wherein said pacing pulse generator includes a pacing pulse delivery arrangement adapted to deliver said pacing pulses to a ventricle of the heart.

15 27. (New) An implantable cardiac stimulator as claimed in claim 14 wherein said pacing pulse generator includes a pacing pulse delivery arrangement adapted to deliver said pacing pulses to an atrium of the heart.

28. (New) An implantable cardiac stimulator as claimed in claim 14 wherein said high energy pulse generator includes a delivery arrangement adapted to deliver said shock to a ventricle of the heart.

20 29. (New) An implantable cardiac stimulator as claimed in claim 14 wherein said high energy pulse generator includes a delivery arrangement adapted to deliver said shock to an atrium of the heart.